

# Sonneborn

**building construction and**

**maintenance materials**

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**If It's Worth Building . . . It's Worth Saving!**

**SONNEBORN "BUILDING SAVERS" SERVICE AND DISTRIBUTION**

The Sonneborn technical staff, as well as trained field representatives, will at all times be glad to assist in the solution of construction or maintenance problems involving: Wood Preservation and Finishing • Paints and Protective Coatings • Concrete Floor Treatment • Waterproofing and Dampproofing • Caulking and Roof Maintenance. Literature descriptive of any Sonneborn "Building Saver" is available on request. Prompt delivery and service are assured through conveniently located Sonneborn Distributors.

**Building Products Division • L. SONNEBORN SONS, Inc. • 80 Eighth Avenue, New York 11, N. Y.**

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# concrete floor treatments

Product

## use and description

## advantages

## application data\*

LAPIDOLITH

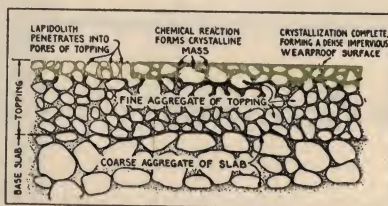
For hardening, wearproofing and dust-proofing concrete and terrazzo floors, and vertical concrete surfaces.

LAPIDOLITH is a colorless solution of low surface tension containing a chemically active concrete hardening agent. LAPIDOLITH penetrates into the concrete, reacts chemically with the free lime and calcium carbonate in Portland cement, and binds the loose particles into a close-grained, granite-hard, vitreous topping so that constant heavy traffic and trucking cannot tear the cement from its bedding. The LAPIDOLITH treatment is equivalent to the slow process of infiltration of mineral salts by which soft clays are petrified to the condition known as flint. Laboratory tests show that *Lapidolized* floors are substantially harder than untreated concrete floors, and are highly impermeable to the action of many oils and chemicals.

### Patented for 100% Better Wetting Action and Penetration

LAPIDOLITH has a wetting action that is 100% better than that of other floor hardening solutions of the same concentration. This means deeper penetration, more thorough hardening.

The higher wetting action assures a more effective reaction with the concrete because LAPIDOLITH reaches down into the tiny voids which ordinary hardeners cannot penetrate. This effective penetration overcomes the "blocking off" caused by surface reactions to which ordinary hardeners are subject. LAPIDOLITH is patented.



Magnified concrete section showing penetrating and hardening action of LAPIDOLITH.

- Wearproofs concrete and terrazzo floors for heavy-duty use.
- Dustproofs concrete and terrazzo floors.
- Protects concrete floors, walls and tanks against the effects of many chemicals, oils and greases.
- Protects floors against the effects of alternate freezing and thawing.
- Strengthens concrete wainscoting.
- Easy to apply—no interruption of production schedules.
- Hardens concrete floors containing iron filings or other special aggregates.
- Provides excellent base for painting—neutralizes free lime content on concrete surface.
- Economical—the first cost is the only cost.

*Note:* LAPIDOLITH will not make a pitted floor smooth, color concrete floors, or cover floors with a film. Concrete floors treated with LAPIDOLITH may be painted with CEMCOAT F & D. (See page 8.)

### Many Tests Prove Superiority of LAPIDOLITH

Actual laboratory tests—for Hardness, Wetting Ability, Penetration, Water-Permeability, Protection Against Oils, Protection Against the Effects of Alternate Freezing and Thawing, Maintaining the Light Reflectivity of White Portland Cement, Hardness of LAPIDOLITH vs. Metallic Filings—clearly demonstrate the effectiveness of the LAPIDOLITH treatment. Details of tests are available on request.

LAPIDOLITH is not intended for integral use. Three applications are necessary, as described below. New concrete must be thoroughly set and dry.

### Uncolored Concrete Floors:

**First Application:** Prepare solution of one part LAPIDOLITH to two parts water. Flush solution on surface and distribute with a long-handled floor brush. Mop up any excess solution.

**Second Application:** Prepare solution of one part LAPIDOLITH to one part water. Follow procedure as in first application.

**Third Application:** Prepare a solution of two parts LAPIDOLITH to one part water. Follow procedure as in first application. After last application has dried, flush the floor with water and allow to dry for 24 hours.

### Covering Capacity

(These coverage figures are conservative estimates subject to variation depending on surface porosity and other job conditions.)

Type of Surface	LAPIDOLITH required for 3 applications
Uncolored Concrete Floors*	1 gal. per 100 sq. ft.
Colored Concrete Floors	1 gal. per 150 sq. ft.
New and Old Terrazzo Floors	1 gal. per 150 sq. ft.
Vertical Concrete Surfaces	1 gal. per 100 sq. ft.

*Complete directions available covering application to integrally colored concrete floors, residential floors, terrazzo floors, vertical concrete surfaces and wood-floated or broom-swept floors.*

FERROLITH H

FERROLITH H consists of a uniformly graded oxidizable metallic aggregate, a pozzuolanic agent and, if color is desired, an oxide pigment. When used in a Portland cement mix, the pozzuolanic agent reacts with the free lime in the cement, increasing workability, while the metallic aggregate becomes an integral part of the cement surface, producing a tough, metal-reinforced surface.

Available in Standard (natural), Red, Brown, Green and Maroon.

- Hardens concrete floors.
- Makes concrete floors resistant to grease, oils and alkalies.
- Reduces the danger from sparking of static electricity.
- Integrally colors concrete floors where color is desired.

FERROLITH H is applied to monolithic and two-course floors during the process of installation.

### Covering Capacity

	FERROLITH H
Light traffic	30 lbs. per 100 sq. ft.
Medium traffic	40 lbs. per 100 sq. ft.
Heavy traffic	50 lbs. per 100 sq. ft.
Extra-heavy traffic and also for increasing electrical conductivity	120 lbs. per 100 sq. ft.

\*Application data is necessarily condensed. For complete directions, write or, if you have Sonneborn's Technical Service Portfolios, refer to specific product folder.



Product	use and description	advantages	application data*
LIGNOPHOL Penetrating Finish	<p>LIGNOPHOL Penetrating Finish is a clear, amber-colored liquid whose ability to withstand severe usage has made it the ideal wood treatment. The greatest advantage that LIGNOPHOL Penetrating Finish has over the usual surface treatments is its positive ability to penetrate into wood, depositing toughening resins, life-imparting oils and fungicidal chemicals which resist molds, fungi and wood-destroying organisms. Reports prove that LIGNOPHOL Penetrating Finish not only retards swelling and cupping of wood, but it resists moisture transfusion through the wood, improves compressive mechanical properties and greatly reduces decay. Available in Natural, Light Brown and Dark Brown.</p>	<ul style="list-style-type: none"> <li>● Is toxic to the fungus organisms to which wood is normally susceptible — mildew, dry and wet rot, etc.</li> <li>● Contributes to the preservation of the original composition and elasticity of the living wood.</li> <li>● Penetrates the wood both against and with the grain.</li> <li>● Retards shrinkage, warping, cracking, curling and splintering.</li> <li>● Saves time, effort, expense — only one application required.</li> <li>● May be tinted with colors in oil for special effects.</li> <li>● Leaves no film to wear off.</li> <li>● Provides an excellent base for subsequent painting or waxing.</li> </ul>	<p>LIGNOPHOL Penetrating Finish is recommended as a preservative treatment for interior and exterior wood structures and prefabricated wood units, including plywood forms, sash, frames, siding, railings, outdoor furniture, ladders, etc.</p> <p>It is also used as a penetrating finish for floors subject to heavy duty in armories, gymnasiums, department stores, schools, institutions, factories, and similar buildings.</p> <p>Excellent for the following woods: Beech, birch, gum, maple, Masonite Presdwood, plywood.</p> <p>Coverage Hard Woods: 700 sq. ft. per gal., one coat Soft Woods: 600 sq. ft. per gal., one coat</p>
LIGNOPHOL Quick-Drying Finish	<p>LIGNOPHOL Quick-Drying Finish penetrates, preserves, seals and finishes interior wood floors in one quick-drying application. It leaves a satin gloss finish that highlights and enhances the natural beauty of the wood. LIGNOPHOL Quick-Drying not only is highly resistant to abrasion, chipping or cracking, but is practically impervious to the action of water and alcohol. Available in Natural and Brown.</p>	<ul style="list-style-type: none"> <li>● Saves time, effort and expense—only one application is required on most woods.</li> <li>● Penetrates the wood both against and with the grain.</li> <li>● Leaves no film to wear off.</li> <li>● Preserves the original appearance and resiliency of the wood.</li> <li>● Provides a surface which can be easily waxed.</li> <li>● Is highly resistant to marring or scratching—does not lap or spot.</li> <li>● Practically impervious to the action of water and alcohol.</li> </ul>	<p>LIGNOPHOL Quick-Drying Finish is recommended as a preservative and finish for interior wood floors where a quick-drying, satin gloss finish is desired, including residential and industrial buildings, offices, stores and similar installations where time limit for application is an important factor.</p> <p>Excellent for the following woods: Beech, birch, chestnut, cherry, gum, mahogany, maple, oak, pine.</p> <p>Coverage Hard Woods: 700 sq. ft. per gal., one coat Soft Woods: 600 sq. ft. per gal., one coat</p>
LIGNOPHOL Wax Finish	<p>LIGNOPHOL Wax Finish in one application adds beauty and distinction to residential wood floors and woodwork. This handsome wood finish does not cover up the natural beauty of the wood. Instead, it actually highlights the subtle appearance of the grain itself, increasing the attractive appearance of the wood. LIGNOPHOL Wax-Finished floors and woodwork are rich looking and have a dignity all their own. Available in Natural, Light Brown, Medium Brown and Dark Brown.</p>	<ul style="list-style-type: none"> <li>● Saves time, effort and expense—only one application is required.</li> <li>● By its penetrative action it serves to an appreciable extent as a dampproofing.</li> <li>● Leaves no superficial film to wear off.</li> <li>● May be tinted with colors in oil for special effects.</li> <li>● Provides a surface from which dust and dirt can be easily removed.</li> <li>● Gives an exceptionally long-lasting finish.</li> <li>● Easy to use—requires no thinning or special preparation.</li> </ul>	<p>LIGNOPHOL Wax Finish is recommended as a preservative and finish for doors, paneling and trim, and can be used on residential floors where a soft, medium gloss finish is desired.</p> <p>Excellent for the following woods: Beech, birch, chestnut, cherry, gum, mahogany, maple, oak, pine, plywood, Flexwood.</p> <p>Coverage Hard Woods: 700 sq. ft. per gal., one coat Soft Woods: 600 sq. ft. per gal., one coat</p>



## use and description

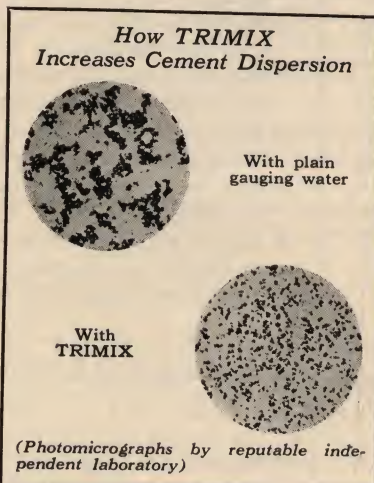
## advantages

## application data\*

### TRIMIX

TRIMIX is a multi-purpose liquid admixture for concrete, mortar, stucco and cement plaster. TRIMIX makes the mix easier to prepare, handle, transport and place. It cuts construction time and cost by substantially reducing normal working time required to attain safe working strength. TRIMIX boosts compressive strength, increases durability and dimensional stability, provides smoother, finer finished surface texture. TRIMIX is an effective anti-freeze—speeds and facilitates laying, pouring, and handling of cement mixes during sub-freezing weather. TRIMIX offers equal advantages when used in ready-mixed concrete. Scientifically formulated to overcome many uncertain human factors usually present on construction jobs, TRIMIX has proved its efficiency in actual construction for many years.

- Improves workability of mix.
- Accelerates set — produces high early compressive strength.
- Improves quality of finished concrete.
- Aids winter concreting.



TRIMIX is added directly to gauging water. Quantities recommended are predicated on withholding about 15% of the amount of gauging water normally required.

### Quantities Required:

For reduction of water ratio; for high early strength; for improved workability and homogeneity; for more thorough curing; for set acceleration; for reduction of bleeding and laitance; and for integral hardening — 1 quart TRIMIX per bag of cement.

For mortars containing lime—1 quart TRIMIX per bag of lime in addition to amount required per bag of cement.

For improving bonding efficiency of concrete floor topping to base slab, and of Portland cement stucco to masonry walls—1 part TRIMIX to 20 parts water. As an anti-freeze—1½ quarts TRIMIX per bag of cement at 25°F., and an additional ½ quart with each 5°F. drop in temperature.

### HYDROCID Admixtures

HYDROCID Admixtures (Paste and Powder) are especially formulated to aid in the protection of mass concrete in below-grade construction such as swimming pools, foundations and basement walls, and in above-grade structures such as retaining walls and storage tanks. They are also used as mortar admixtures to obtain tighter joints on brick, stone and glass-block wall construction.

HYDROCID Paste is a colloidal, non-settling suspension of stearates. When added to concrete mixes, it reacts with the free lime, producing a water-repellent metallic soap. As the concrete sets, this water-repellent compound is deposited in the internal pores of the concrete, decreasing porosity and lessening the possibility of entrance and transmission of water.

HYDROCID Powder is a dry mixture of calcium stearate and lime-reactive finely powdered aggregate. When added to a dry concrete mix, it coats the sand and aggregate components with water-insoluble calcium stearate, lines the internal pores and capillaries, and imparts a negative water capillarity to the finished concrete.

- Help to maintain a dimensionally stable concrete structure.
- Minimize the danger of cracking and spalling.
- Reduce free lime content.
- Increase water impermeability of concrete by decreasing water absorption.
- May be used with cements containing air-entraining agents.

HYDROCID Paste is first diluted by the addition of an equal volume of gauging water. When thoroughly dispersed, it is added to cement mix containing remainder of gauging water.

HYDROCID Powder is dispersed in dry mix before adding gauging water.

**Table for Estimating Quantities of HYDROCID Admixtures**

	100 sq. ft., 1 in. thick		One Cubic Yd.		100 Cubic Ft.	
	HYDROCID Admixtures	Bags of Cement	HYDROCID Admixtures	Bags of Cement	HYDROCID Admixtures	Bags of Cement
1:2:3 Concrete	2 lbs.	2	7 lbs.	7	26 lbs.	26
1:2:4 Concrete	2 lbs.	1¾	6 lbs.	6	22 lbs.	22
1:2 Floor Finish	4 lbs.	4	12 lbs.	12½	46 lbs.	46
1:3 Brick Mortar	3 lbs.	3	9 lbs.	9½	35 lbs.	35
1:2 Plaster Coat	4 lbs.	4	12 lbs.	12½	46 lbs.	46
1:3 Stucco	3 lbs.	3	9 lbs.	9½	35 lbs.	35

(For each bag of lime used, add 1 lb. of HYDROCID Paste or Powder.)

\*Application data is necessarily condensed. For complete directions, write or, if you have Sonneborn's Technical Service Portfolios, refer to specific product folder.



Product	use and description	advantages	application data*
HYDROCIDE Colorless	<p>HYDROCIDE Colorless is a transparent non-staining water-repellent compound which, when applied to a structurally sound exterior concrete or masonry surface above grade, soaks into and fills the internal pores and voids with water-repellent agents, sealing the surface with a protective, invisible film. Two consistencies:</p> <p>HYDROCIDE Colorless D for highly porous light colored surfaces: concrete, sandstone, stucco, Indiana limestone, asbestos cement board.</p> <p>HYDROCIDE Colorless G for relatively dense surfaces: red brick, limestone, colored natural stone and colored stucco.</p>	<ul style="list-style-type: none"> <li>● Acts as preservative for old masonry.</li> <li>● Reduces danger from effects of freezing and thawing.</li> <li>● Helps preserve original appearance of exterior walls.</li> <li>● Minimizes absorption of dust, soot and stains.</li> <li>● May be applied in warm or cool weather, but not below 40° F.</li> <li>● Easy to use—economical.</li> </ul>	<p>Brush or spray, working from top down. Surface must be clean, thoroughly dry, and structurally sound. Best results are obtained at temperatures above 40° F. HYDROCIDE Colorless G should be applied in two coats, the second after the first is dry. HYDROCIDE Colorless D requires only one coat.</p> <p>Coverage—100 sq. ft. per gal., one coat. 150 to 200 sq. ft. per gal., second coat, depending on character of surface.</p>
FERROLITH W	<p>FERROLITH W is a uniformly graded, oxidizable metallic powder designed for metallic reinforcing of interior and exterior concrete and masonry surfaces above grade, and interior surfaces below grade, including walls and floors in tunnels, mines, dams, etc.</p>	<ul style="list-style-type: none"> <li>● Helps to prevent cracking and spalling.</li> <li>● Reinforces extremely porous surfaces.</li> <li>● Increases resistance of concrete and masonry to various alkalies, oils and greases.</li> </ul>	<p>Three brush coats are necessary where normal, constant hydrostatic pressures are encountered.</p> <p>Coverage—40 lbs. per 100 sq. ft., 3 brush coats, depending on character of surface.</p>

NOTE. The following HYDROCIDE COATINGS are quality bituminous compounds (free of coal tar) for treating specific conditions of dampness affecting building surfaces, interior and exterior, above and below grade. In some cases, aside from their plasterbond functions (not with Portland cement mixes) HYDROCIDE COATINGS are also used for stonebacking and as protective or, as they are known in the trade, dampproof coatings. When used for this purpose, HYDROCIDE COATINGS provide protection only if the building is structurally sound and so long as the coating remains intact and continuous.

HYDROCIDE Mastic	<p>A heavy fibrated asphalt compound for use on exterior porous surfaces below grade, and interior surfaces above grade.</p>	<ul style="list-style-type: none"> <li>● Equal in efficiency to conventional 5-ply membrane system.</li> <li>● Ready to use—requires no heating or thinning.</li> <li>● One coat is sufficient.</li> </ul>	<p>Trowel only. One coat. Surface must be clean and dry.</p> <p>Coverage—100 sq. ft. per 4 to 5 gals., depending on character of surface.</p>
HYDROCIDE Semi-Mastic	<p>Semi-fibrated asphalt compound for interior surfaces above grade, exterior surfaces below grade, and as plasterbond. Superior to lighter dampproofing materials of paint-like consistency.</p>	<ul style="list-style-type: none"> <li>● Equal in efficiency to conventional 3-ply membrane system.</li> <li>● Ready to use—requires no heating or thinning.</li> </ul>	<p>Brush or spray. Surface must be dry. Allow first coat to dry 24 hours before applying second coat.</p> <p>Coverage—30 to 35 sq. ft. per gal. per coat, depending on character of surface.</p>
HYDROCIDE 600	<p>A non-settling bituminous emulsion containing not less than 55% asphalt. For damp walls—interior above grade, and exterior below grade.</p>	<ul style="list-style-type: none"> <li>● May be applied to wet or dry surfaces.</li> <li>● Can be freely reduced with water, without separation.</li> <li>● Non-inflammable.</li> </ul>	<p>Brush or spray. Moisten surface with water. Thin first coat 10% with water and apply second coat undiluted. Allow first coat to dry 24 hours before applying second coat.</p> <p>Coverage—75 to 100 sq. ft. per gal., one coat, depending on character of surface.</p>
HYDROCIDE 633	<p>A non-fibrated black compound for interior dense surfaces above grade, and as plasterbond. Dries to a tacky, elastic film. Permits plastering as early as two days or as late as 28 days after application.</p>	<ul style="list-style-type: none"> <li>● May be used with or without furring strips.</li> <li>● Remains tacky for an exceptionally long period.</li> </ul>	<p>Brush or spray. Coating should be continuous and absolutely free of pinholes or other breaks. Allow first coat to dry 24 hours before applying second.</p> <p>Coverage—75 to 100 sq. ft. per gal., one coat, depending on character of surface.</p>



## waterproofing, dampproofing, caulking

Product	use and description	advantages	application data*
<b>HYDROCIDE 648</b>	A non-fibrated asphalt coating. Provides stainproof backing for building stones set in cement. Also used as protective coating against dampness on exterior foundations below grade.	<ul style="list-style-type: none"> <li>● Not affected by lime and water-soluble salts in cement.</li> <li>● Withstands temperature changes without cracking or losing continuity.</li> </ul>	<p>Brush or spray. Apply to dry surfaces only. Allow first coat to dry 24 hours before applying second coat. For stone-backing, one coat is required. Do not handle stone until coating is dry.</p> <p>Coverage—Stonebacking: 125 to 175 sq. ft. per gal., one coat. Other uses: 75 sq. ft. per gal., first coat; about 125 sq. ft. per gal., second coat. (Depending on character of surface.)</p>
<b>HYDROCIDE 700</b>	An emulsified mastic compound for protecting exterior surfaces below grade against dampness. When HYDROCIDE 700 is applied to any concrete, masonry or stone surface below grade, it bonds to the surface and produces an elastic, membrane-like coating that is resistant to penetration of moisture from soil.	<ul style="list-style-type: none"> <li>● Ready to use—requires no heating or thinning.</li> <li>● Adheres firmly to damp surfaces.</li> <li>● Equal in efficiency to conventional 5-ply membrane system.</li> </ul>	<p>Apply cold with trowel in 1/16" continuous coating without breaks or pinholes. Moisten surface prior to application. Do not apply at temperatures below 40°F. Backfill may be made 48 hours after application. Avoid injury to film while backfilling.</p>
<b>KAUKIT</b>	KAUKIT is a quality caulking compound formulated for efficient protection and long-lasting adhesion to any surface—wood, metal, glass, concrete, stone, oakum or similar fibrous filler. Remains elastic underneath its tough, weather-resisting surface film. Expands and contracts with temperature changes. Does not sag, slump or run out of vertical or inclined joints. Gun and knife grades; also cartridges. Colors: Natural, Gray, White and Black.	<ul style="list-style-type: none"> <li>● Easily workable—makes placement work easier.</li> <li>● Will not turn brittle or harden, like putty.</li> <li>● Color-fast—KAUKIT colors will show little or no fading after long periods of use.</li> <li>● Can be painted over.</li> </ul>	<p>Rake and clean out up to 3/4" all openings, cracks, crevices to be caulked. Fill in with KAUKIT and thoroughly compress compound into openings.</p> <p>Coverage—Gun Grade: 150 linear ft. per gal. Knife Grade: 225-350 linear ft. per gal. Cartridges: 15 linear ft. per cartridge. (Based on joints of average depth and width.)</p>

## paints and protective coatings

<b>MARVELWITE</b> Enamel and Semi-Gloss	<p>Synthetic white coatings specially designed for industrial interiors. Withstand heat, corrosive fumes and vapors. Contain synthesized oils which are highly resistant to yellowing, and pigments of high tinctorial strength and maximum color retention. Retain initial whiteness and gloss for unusually long periods. Available in two types:</p> <p>MARVELWITE T — a high-gloss enamel; MARVELWITE S—a semi-gloss paint. For priming: MARVELWITE Undercoat, a Sonneborn pigmented primer-sealer.</p>	<ul style="list-style-type: none"> <li>● Stay white—highly resistant to yellowing and loss of gloss.</li> <li>● Withstand effects of moisture, heat (up to 200°F.), chemical fumes and vapors.</li> <li>● Possess high light reflection and diffusion values.</li> <li>● High opacity—one coat covers any reasonably clean painted surface.</li> <li>● Washable—do not streak or discolor.</li> <li>● Resistant to oils and greases.</li> </ul>	<p>Brush or spray. New or unpainted surfaces should be clean and dry. On wood surfaces, apply two coats of MARVELWITE Undercoat, then finish coat of MARVELWITE T or S. Eliminate second priming coat when painting metal surfaces. On previously painted surfaces, wire-brush to remove loose particles, sand and apply one or more coats of MARVELWITE T or S. Dark colored or badly worn surfaces should be primed with MARVELWITE Undercoat before application of MARVELWITE T or S.</p>
<b>CEMCOAT</b> Enamel Gloss	A specially processed enamel coating for all interior surfaces. Remains uniformly attractive longer. Leaves a tough, smooth finish that is highly resistant to steam and moisture. White only. May be tinted to any shade by adding colors in oil.	<ul style="list-style-type: none"> <li>● Dries to an even-textured film overnight.</li> <li>● Retains color longer without yellowing.</li> <li>● Easily washable without streaking.</li> <li>● Can be applied over surfaces previously painted, whitewashed, or coated with cold-water paint.</li> </ul>	<p>Brush or spray. Two coats generally recommended. Surface must be clean and thoroughly dry.</p> <p>Coverage—Sq. ft. per gal., one coat: Brick and Concrete—250; Plaster—300; Wood—350; Metal—400.</p>

\*Application data is necessarily condensed. For complete directions, write or, if you have Sonneborn's Technical Service Portfolios, refer to specific product folder.



Product	use and description	advantages	application data*
CEMCOAT Interior Flat	A decorative oil-base coating for all walls and ceilings, including cement, brick, plaster, wood, wallboard and metal. Free of gums. Dries to a smooth, even-textured film without crazing or checking. White only. May be tinted to any shade by adding colors in oil.	<ul style="list-style-type: none"> <li>● Better light reflection.</li> <li>● High opacity.</li> <li>● Free flowing—holds a wet edge, minimizing danger of lapping.</li> </ul>	<p>Brush or spray. Surface must be clean and thoroughly dry. One coat is usually sufficient on properly primed surfaces.</p> <p>Coverage—500 to 600 sq. ft. per gal., one coat.</p>
WONDERCOTE	An oil-base paint of semi-paste consistency which primes, seals and finishes most interior surfaces in one application. Applicable to brick, concrete, plaster, wood, calcimine, wallpaper. Gives controlled penetration. Sets solidly in one hour. Dries to a velvet-like angular sheen in about eight hours. Greater resistance to lime than conventional paints. White only. May be tinted to any shade by adding alkali-resistant colors in oil.	<ul style="list-style-type: none"> <li>● Saves 47 to 64% in materials alone as compared to conventional two and three-coat systems.</li> <li>● Exceptional hiding power—good leveling.</li> <li>● Will not streak, crawl or become spotty under reasonable temperature changes.</li> <li>● Can be extended to provide 37½% more paint by thinning.</li> </ul>	<p>Brush or spray. Surface should be clean, free of dirt, oil and loose particles. Loose paint should be removed with wire brush, scrubbing or sanding. Surfaces which require washing must be permitted to dry out thoroughly before painting. WONDERCOTE may be satisfactorily sprayed when reduced with three pints of mineral spirits or turpentine to the gallon.</p> <p>Coverage—600 to 700 sq. ft. per gal., one coat.</p>
HIDE-N-SEAL	An efficient interior primer and sealer with controlled penetration and effective sealing action. Brushes easily, dries tough and hard with high opacity and excellent sealing qualities over porous surfaces. For use on plaster, cement, brick, wood, wallboard and Celotex.	<ul style="list-style-type: none"> <li>● Dries to a smooth, uniform film overnight.</li> <li>● Does not drag when brushed.</li> <li>● Is not absorbed—penetrates sufficiently to give a positive seal.</li> </ul>	<p>Brush or spray. On extremely porous surfaces, two coats may be necessary.</p> <p>Coverage—400 to 500 sq. ft. per gal., one coat.</p>
CEMCOAT Exterior Flat	A flat paint of exceptional hiding power designed to give maximum exposure service. Withstands heat, cold, salt water spray, wind and sleet. For cement, brick and stucco surfaces. White only.	<ul style="list-style-type: none"> <li>● Exceptional hiding power.</li> <li>● Retains color-fastness for long period of time.</li> </ul>	<p>Brush or spray. Allow to dry thoroughly 24 to 36 hours, depending on weather conditions. Second coat should be applied without reduction.</p> <p>Coverage—150 to 200 sq. ft. per gal., two coats.</p>
S. R. P. "Sure Rust Prevention"	A specially formulated rust-inhibitive coating designed to prevent rusting of old or new metal surfaces, indoors and out. Penetrates through and combines with previously formed rust to form a firm, lasting bond with the clean metal beneath. Non-toxic. Resistant to the action of chemical vapors, moist air and salts in normal industrial concentrations. Two consistencies: Primer and Finish. Colors: S. R. P. 75 (primer)—Red only. S. R. P. 87 (finish)—Red, Black, Gray, Light Green, Medium Green, Light Red and Aluminum.	<ul style="list-style-type: none"> <li>● Superior in rust inhibitive efficiency and chemical resistance.</li> <li>● Non-toxic—eliminates red lead painting hazards.</li> <li>● Firm rust need not be removed.</li> <li>● Easy to apply—no expensive preparation is needed.</li> </ul>	<p>Brush or spray. Remove all loose rust scales. Firm rust need not be removed. Allow priming coat (S. R. P. 75) to dry thoroughly before applying finish coat (S. R. P. 87 in color as selected).</p> <p>Coverage—500 to 600 sq. ft. per gal., one coat.</p>



## paints and protective coatings

Product	use and description	advantages	application data*
<b>SONOLASTIC Aluminum Paint</b>	A high-quality aluminum coating which provides maximum brilliance, better leafing and greater penetration into subsurface. Specially formulated vehicle enables this coating to resist moisture, corrosion, chemical fumes, gases and vapors. For interior and exterior surfaces where temperatures do not exceed 200°F.	<ul style="list-style-type: none"> <li>● Ready to use—needs no special preparation.</li> <li>● Better leafing assures continuity, uniformity of film and absence of pin-holes.</li> <li>● Retains leafing qualities even after prolonged storage.</li> </ul>	<p>Brush or spray. Surface must be cold, clean, dry and free of dirt, grease, loose paint scales or rust.</p> <p>Coverage—300 to 600 sq. ft. per gal., one coat.</p> <p>(For metal surfaces subject to heat up to 600° F. use Sonneborn's Heat-Resisting Aluminum Paint.)</p>
<b>SONOLASTIC Asphalt Paint</b>	A heavy duty, weather-resistant coating recommended for wood, metal, concrete, brick and masonry surfaces. Entirely free of coal tar. Will not sag or crawl in hot weather or crack in cold. Colors: Black, Red, and Green.	<ul style="list-style-type: none"> <li>● Highly resistant to acids, alkalies, gases, moisture, smoke, chemical fumes, salt sea air and the actinic rays of the sun.</li> <li>● Dries to a smooth, glossy finish in about 15 hours.</li> <li>● Can be applied over all roofing except coal tar.</li> </ul>	<p>Brush only. Do not apply over fresh tar surfaces or to surfaces subject to frequent handling. Surface must be dry, clean and free of all rust scales or loose paint particles.</p> <p>Coverage Metal: 400 sq. ft. per gal., one coat. Wood and Concrete: 300 to 350 sq. ft., per gal., one coat.</p>

## other floor treatments

<b>CEMCOAT F &amp; D</b>	A specially formulated oil-base filler and dustproofer for cement and wood floors. A floor and deck enamel of superior quality. Protects and decorates. Gives maximum penetration. Bonds firmly to the surface, giving a finish that is exceptionally colorful, tough and long-lasting. Unaffected by transient contact with acids, oils or other chemicals when properly maintained. Ideal for dado painting. Available in Transparent and the following colors: Black, Battleship Gray, G. M. Gray, Maroon, Dark Brown, Green, Brick Red, Gray, and Autumn Brown.	<ul style="list-style-type: none"> <li>● Sanitary—provides a surface from which waste, dirt and dust are easily removed.</li> <li>● Dries to bright, colorful finish overnight.</li> <li>● Flows freely—spreads easily.</li> <li>● Affords a high degree of resistance to abrasion.</li> <li>● Offers planned system for economical maintenance of finish on aisles, corridors, stair treads and areas subject to unusually heavy traffic.</li> </ul>	<p>Brush or spray. New concrete floors should not be painted until thoroughly dry. Old concrete floors must be dry, free of dust, dirt, loose particles, oil and grease. Aisles, corridors and stair treads can be treated with a mixture of colored and Transparent CEMCOAT F &amp; D.</p> <p>Coverage—500 sq. ft. per gal., one coat. 275 sq. ft. per gal., two coats. (Depending on porosity of surface.)</p>
<b>HYDROCID Curing Compound</b>	Ready-to-use concrete curing compound. Prevents rapid evaporation of water content from freshly laid concrete during initial hardening period. Produces better, more efficient cure.	<ul style="list-style-type: none"> <li>● Maintains proper water-cement ratio throughout setting cycle.</li> <li>● Permits attainment of maximum strength of concrete.</li> <li>● Contributes to complete hydration of Portland cement particles.</li> </ul>	<p>Spray or brush. Should be applied as soon as concrete has reached its initial set and after surface water has disappeared. For poured concrete, apply as soon as forms have been removed.</p> <p>Coverage—250 sq. ft. per gal.</p>
<b>FLOORLIFE 69</b>	A high-gloss wood floor varnish that seals and finishes in the same application. Produces a long-wearing gloss finish. Serves as excellent base for waxing. Dries to a hard film that is extremely durable and serviceable. Withstands more than ordinary wear.	<ul style="list-style-type: none"> <li>● Dries dust-free in about five hours.</li> <li>● Can be colored with oil-soluble dyes for staining effects.</li> <li>● Flows easily—spreads smoothly—self-leveling.</li> <li>● Will not whiten on contact with water.</li> </ul>	<p>Use long-handled varnish brush or lamb's wool applicator. Surface should be dry and free of stains or foreign matter. If two coats are necessary, reduce with 20% turpentine or mineral spirits.</p> <p>Coverage—500 sq. ft. per gal., first coat; 600 sq. ft. per gal., second coat.</p>

\*Application data is necessarily condensed. For complete directions, write or, if you have Sonneborn's Technical Service Portfolios, refer to specific product folder.



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